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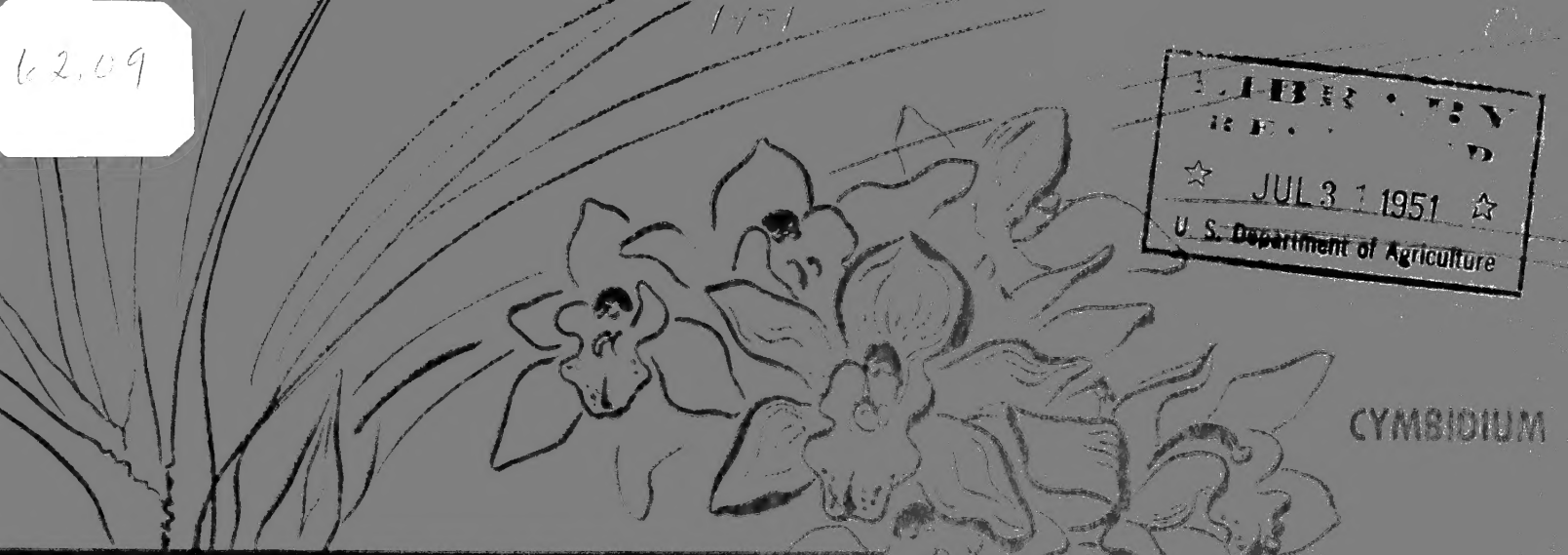
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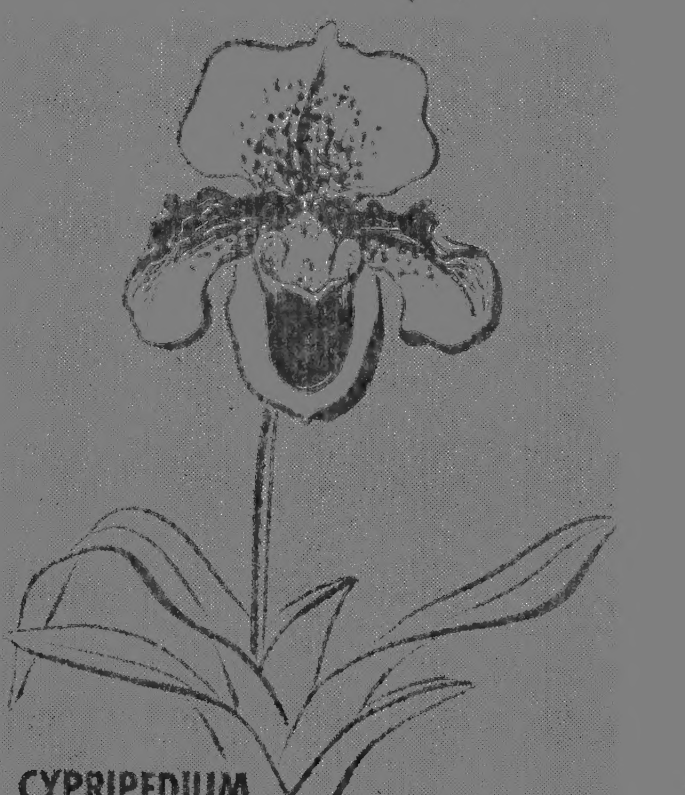


CYMBIDIUM

ORCHID PLANTS BY  
ARMACOST AND ROYSTON  
INC.



CATTLEYA



CYPRIPEDIUM



# ARMACOST & ROYSTON, INC.

*Breeders of Fine Orchids*

2005 ARMACOST AVENUE  
LOS ANGELES 25, CALIFORNIA  
PHONE BRADSHAW 2-4351

*Spring 1951*

~~\_\_\_\_\_~~ revised June 1951. No longer available.

- Plants are offered strictly subject to prior sale.
- This catalog cancels all previous lists and special quotations.
- Prices subject to change without notice.
- Payment should accompany order unless credit has been established.
- All orders will be packed free of charge and will go out Railway Express, express charges collect, unless we are instructed otherwise. Air Express is recommended for small domestic orders.
- Foreign shipments will be shipped Air Express out of clay pots unless we are instructed otherwise.
- Plants are packed securely in corrugated cardboard cartons and on arrival should be examined and then signed for. If there is any damage, notify the express company, have their agent see the damage, and file claim with him.
- Cymbidium plants will be shipped balled in burlap or bare root wrapped in wet moss. Be sure to state your preference.
- It will be readily understood that it is impossible to keep orchid plants stationary with regard to pot size while they are cataloged. Potting must be done as it becomes necessary. Because of this we shall substitute sizes of plants in filling orders unless we are specifically instructed not to do so.

# CATTLEYA

## YOU CAN GROW ORCHIDS

For many years those who grew orchids thought or talked and wrote as if they thought that one must possess a number of special senses in order to even attempt the task of growing orchids. Now thousands of amateurs throughout the nation have thoroughly debunked this theory. Perhaps there was some excuse for the early growers forming this opinion when we consider the uniqueness and astounding beauty of orchids. So unique, so beautiful that the early growers could not quite consider them as plants in the normal sense and instead of employing the principals of culture of plants familiar to them they attempted to formulate a new set of procedures with little or no data to work on, became completely confused themselves, and confused everyone else. Amateurs have been successful in growing orchids in a wide variation of enclosures all the way from a glass box in the living room, an out-of-doors enclosure that was hardly big enough to turn around in to some quite spacious and artistically constructed greenhouses. First of all, remember that orchids are plants. Don't be afraid of them. Overcome the greatest fear first which usually is how and when to water the plants. Water them the same as you would most any other potted plant and at about the same degree of dryness. The only difference is that the medium used for potting orchids holds more water longer than the medium used for dirt plants; therefore they will need watering less frequently. A safe rule is to make up your mind when the plant needs water, then water it the next day or the day after. Amateurs have been successful in growing orchids in a wide variety of materials — gravel, haydite and so on, but the standard material is osmunda fibre built firmly in the pot so as to leave the grain of the osmunda running vertical. Don't worry about this task either. The chances are that you will pot your plant right if you approach the task with a relaxed do or die spirit. Provide about the same amount of shade that you would apply to ferns, caladiums or similar plants. The ideal day temperature is from 75° to 85° but short periods of near 100° will prove harmless if the enclosure is moist. A night temperature of 63° to 65° is best in Southern California. Northern and Eastern states of course should employ lower temperatures both day and night in the cooler months of the year and about the same as California in the summer. Top this off with maintaining a relative humidity of about 65% in daytime and you are a first-class orchid grower already.



Variety		Size	Price
3212	<b>C. MITHRA</b> (C. Mount Royal x C. Intertexta) . . . . . In most cases deep, rich rose, all have dark brilliant lips. We consider Mithra a fine Cattleya hybrid. The season is variable, usually winter.	4½" 5" 5½"	\$15.00 17.50 22.50
3264	<b>C. REMY CHOLET</b> (C. Trianae, Imperator A.M. x C. Monarch) . . . . . An improved form of a world famous hybrid in medium to deep lavender tones. A strong, free flowering strain to fill your winter and spring needs.	4" 4½" 5" 5½"	\$10.00 12.50 15.00 20.00
3325	<b>C. ACOLITA</b> (C. Trimos x C. Tityus var. Patriarch) . . . . . As one would expect from the parentage, C. Acolita is a late winter bloomer slightly darker than C. Trimos in color and possessing a brilliant lavender lip with a pleasing shade of yellow in the throat and rich lavender veining.	5" 5½"	\$17.50 22.50
3331	<b>C. OCEANID</b> (C. Nebo x C. Trimos) . . . . . Here is a hybrid far surpassing Mossiae in our opinion. The flowers are medium size, compact, good substance and all have solid, dark lips. Very free flowering, the season is from December until April.	4" 4½" 5"	\$12.50 15.00 17.50
3410	<b>LC. KISHAR</b> (Lc. Braceyana x C. Trianae) . . . . . As is to be expected this has fine form and a good texture. Medium color in the sepals and petals and a dark lip. Winter and spring.	5" 5½"	\$15.00 20.00
3452	<b>C. HEYDAY</b> (C. Profusion x C. Prospector) . . . . . Considerable variation in color and form but some unusually fine types have appeared among the seedlings which have sold at premium prices. The season is winter and spring but is variable.	4" 4½" 5"	\$12.50 15.00 17.50
3474	<b>LC. TOCCATELLA</b> (Lc. Fascinator-Mossiae x C. Serenity) . . . . . Free flowering, of good form and good medium color. Winter and spring.	4½" 5" 5½"	\$12.50 15.00 20.00
3478	<b>LC. PHAETHON</b> (Lc. Fascinator-Mossiae x C. Wellsiana) . . . . . Similar to Wellsiana, blooming about the same time.	4" 4½" 5"	\$10.00 12.50 15.00
3489	<b>C. TRIDENT</b> (C. Trimos x C. Mossiae) . . . . . Definite spring and early summer bloomer. Superior to Mossiae. Amazing production.	4" 4½" 5"	\$10.00 12.50 15.00
3491	<b>C. THULE</b> (C. Trimos x C. Dupreana) . . . . . Well known spring and summer bloomer. A grand cut flower variety.	4" 4½" 5"	\$10.00 12.50 15.00
3492	<b>C. IROLDO</b> (C. Trimos x C. Woltersiana) . . . . . Late winter and spring bloomer with pleasing medium purple sepals and petals and purple lip. A very good cut flower type.	4" 4½" 5"	\$10.00 12.50 15.00
3503	<b>C. ASSAYER</b> (C. Dupreana x C. Prospector) . . . . . Very worthwhile cut flower Cattleya. Large and free flowering, of good color. Blooming in the spring.	4" 4½" 5"	\$10.00 12.50 15.00
3520	<b>LC. DEMO</b> (Lc. Fascinator-Mossiae x C. Dupreana) . . . . . Another good cut flower variety. Free flowering and of good color. Spring and early summer bloomer.	4" 4½" 5"	\$10.00 12.50 15.00
3527	<b>LC. SHAMASH</b> (C. Dupreana x Lc. Hyeana) . . . . . Rich color and free blooming. Dramatic appearance but lacks shape. May prove valuable as spring bloomer with high color.	4" 4½" 5"	\$10.00 12.50 15.00



Variety		Size	Price
3534	<b>C. ENKIDU</b> (C. Dupreana x C. Profusion) . . . . . An exceedingly good cut flower subject resembling Dupreana but slightly lighter lavender. A very wide flowering range, February through October.	4" 4½" 5"	\$12.50 15.00 17.50
3538	<b>C. ASHLANDS</b> (C. Dupreana x C. Tityus) . . . . . Our strain of this hybrid is very worthwhile. The flowers are large and very rich in color. An extended flowering season. We seem to have flowers of this variety practically the year 'round.	4½" 5"	\$12.50 15.00
3543	<b>LC. TIMBRE</b> (C. Dupreana x Lc. Agnes Frawley) . . . . . A variable bloomer of large size, good form and color.	4½" 5" 5½"	\$12.50 15.00 20.00
3544	<b>LC. DEMOPHON</b> (C. Prospector x Lc. Fascinator-Mossiae) . . . . . Similar to Fascinator-Mossiae but more color and a greatly extended flowering season.	4" 4½" 5"	\$10.00 12.50 15.00
3563	<b>C. TAHMURATH</b> (C. Mossiae x C. Dinah, A.M.) . . . . . The C. Dinah parent is not so dominant in this cross as it usually is. The flowers show much of C. Mossiae form but those we have seen have a solid colored lip and bloom during winter and spring.	4" 4½" 5"	\$12.50 15.00 17.50
3564	<b>C. IRAN</b> (C. Harold x C. Prospector) . . . . . Best described as intermediate between both parents. Blooming late spring and early summer this is an exceedingly free flowering Cattleya and well worthwhile from the cut flower point of view.	5" 5½"	\$15.00 20.00
3568	<b>LC. CANTABILE ALBA</b> (Lc. Fascinator-Mossiae alba x C. gigas, F. M. Beyrodt F.C.C.) . . . . . Exceedingly free flowering alba blooming in the winter predominantly but somewhat variable. Flowers are large. Heavy white sepals and petals with solid crimson-purple lip with yellow throat.	4" 4½" 5"	\$10.00 12.50 15.00
3570	<b>C. MIMIR</b> (C. Mount Royal x C. Prospector) . . . . . Fall and winter bloomer. Flowers are large, of good shape. Warm rose-pink sepals and petals with a darker lip and some yellow in the throat.	4" 4½"	\$12.50 15.00
3571	<b>C. MIRZA</b> (C. Mount Royal x C. Warneri) . . . . . Excellent shape and texture. Good size and color. A good variety for cut flower purposes. Variable flowering season.	4" 4½" 5"	\$10.00 12.50 15.00
3574	<b>C. DUPREANOLD</b> (C. Dupreana x C. Harold) . . . . . Well known hybrid blooming spring and early summer. Our strain gives large flowers of good medium color. A splendid cut flower variety.	4½" 5"	\$12.50 15.00
3619	<b>C. EPICURE ALBA</b> (C. Brussels alba x C. Dowiana aurea) . . . . . Ivory sepals and petals. Crimson-purple lip which is heavily veined with gold and some gold area in the throat. A free flowering spring and summer bloomer.	5" 5½"	\$17.50 22.50
3621	<b>LC. BURDINE JOHNSON</b> (Lc. Hassallii alba x C. Fabianid alba) . . . . . A strong growing, free flowering white with colored lip. The flowers are large, of good shape; spring and summer predominate as to season but is variable.	5" 5½"	\$17.50 22.50

Variety		Size	Price
3754	<b>LC. RAVENSWOOD</b> (Lc. Morvyth Magnifica x C. Ardentissima) . . . . . A hybrid surpassing the high degree of excellence of its two famous parents producing deep lavender flowers of exhibition quality for the fall and winter season.	4" 4½" 5"	\$12.50 15.00 17.50
3803	<b>C. ALTOS</b> (C. Trimos x C. Athena) . . . . . A few have bloomed and confirm our expectations of an unusually free winter and spring bloomer of size and color.	3½" 4" 4½"	\$ 7.50 10.00 12.50
3804	<b>C. LEGATE</b> (C. Diplomat x C. Athena) . . . . . An exceptionally free grower giving rich lavender flowers with bright yellow gold veining in the throat. Exceptional size, form and stem length. For the Christmas season.	4" 4½"	\$10.00 12.50
3805	<b>C. ACOMA</b> (C. Remy Cholet x C. Athena) . . . . . This should prove an excellent commercial winter and spring blooming variety. Somewhat richer in color than the above.	3½" 4" 4½"	\$10.00 12.50 15.00
3806	<b>C. BONANZA</b> (C. Prospector x C. Athena) . . . . . This cross has great possibilities as a winter bloomer.	3" 3½" 4"	\$ 7.50 10.00 12.50
3828	<b>BLC. JOYANCE</b> (Lc. S. J. Bracey x Blc. Ojai) . . . . . We are frank to say this is still highly speculative. Those we have seen have rich yellow tones in the sepals and petals and complimentary red lips. A summer bloomer.	3½" 4" 4½"	\$10.00 12.50 15.00
3832	<b>LC. LOS ANGELES</b> (Lc. S. J. Bracey x Lc. Golden West) . . . . . Another speculative yellow hybrid but it should produce some very pleasing color tones. Great interest has been shown in this cross and the preceding one. Sales have been heavy.	3½" 4"	\$10.00 12.50
3844	<b>C. DOUSABEL</b> (C. Luegeae alba x C. Amabilis alba) . . . . . The few that have bloomed have had particularly fine form and texture with a prettily marked purple lip. No fixed season as yet.	3½" 4" 4½"	\$10.00 12.50 15.00
3846	<b>LC. PARIZADE</b> (C. Luegeae alba x Lc. Hassallii alba) . . . . . All we have seen flower give promise of a brightly lipped alba of good size.	4" 4½"	\$12.50 15.00
3847	<b>LC. ABIGAIL B. ANDERSON</b> (C. Peetersii x Lc. Princess Margaret) . . . . . Parents involved in this cross are superb. Season so far seems to be fall. We highly recommend this for cut flower purposes.	4" 4½" 5" 5½"	\$12.50 15.00 17.50 22.50
3900	<b>C. KITTIWAKE</b> (C. Luegeae alba x C. Brussels alba) . . . . . Has earned a creditable reputation displaying well shaped flowers with pure white sepals and petals and a rich lavender lip with refreshing yellow area. A free flowering fall variety.	4" 4½" 5"	\$15.00 17.50 20.00
3919	<b>C. ROSE ANDRADE</b> (C. Edithiae, White Empress F.C.C. x C. Bebe White) All that have bloomed show great promise for a winter flowering white of good size, form and free flowering quality.	4" 4½"	\$15.00 17.50
3921	<b>C. MT SHASTA</b> (C. Estelle alba, very fine variety x C. Bebe White) . . . . . This cross has fully lived up to our expectations. It is large, has good substance and texture. We are confident that it will produce history making stud stock. Indications are that its season will be winter and early spring.	3" 3½" 4" 4½"	\$10.00 12.50 15.00 17.50

Variety		Size	Price
3922	<b>C. WHITE SAIL</b> (C. Olive Pierson x C. Bebe White) . . . . . This cross is large and heavy textured; clear, solid white with much less yellow in the throat than the average white.	3½" 4" 4½"	\$12.50 15.00 17.50
3928	<b>LC. SUSAN McASHAN</b> (C. gigas, F. M. Beyrodt, F.C.C. x Lc. British Queen alba) . . . . . An exceptional cut flower subject with large well shaped flowers, white sepals and petals and lavender variegated lip with yellow area in the throat. The season is spring predominantly but we seem to have flowers from them most of the year.	4" 4½" 5" 5½"	\$10.00 12.50 15.00 20.00
3931	<b>C. ALICE BELDING</b> (C. Mary Chilton alba x C. Vivian alba) . . . . . A clear white with bright solid purple lip. Predominantly summer season.	4" 4½" 5"	\$12.50 15.00 17.50
3932	<b>C. SERENITY</b> (C. Trianae, Edgar Knight x C. Santa Monica, Goliath) . . . . A spectacular Cattleya, it gives very freely large flowers of fine texture and wonderful proportions. The sepals and petals are lavender to rose with dark lip. It should and does make a wonderful parent. Blooms during the winter.	4" 4½"	\$15.00 17.50
3958	<b>LC. GOLDEN BEAUTY, A.M. X B.L.C. NANETTE ALBA</b> . . . . . While an extremely speculative cross, this Brassocattleya should have fine form and substance in varying shades of yellow. We have every confidence in it.	3" 3½"	\$ 7.50 10.00
3974	<b>LC. PATRIARCH</b> (C. Tityus var. Patriarch x Lc. Hyperion) . . . . . We have flowered a few of this cross and all have proved definitely exhibition quality. The size, shape, substance, intense color, and glorious yellow-gold markings in the throat almost defy exaggeration. It is a very clean grower. The season seems to be winter.	3½" 4"	12.50 15.00
3983	<b>C. SERENITY X LC. INTEGRITY VAR. STEADFAST</b> . . . . . This mating of two famous parents should provide a winter hybrid in medium rich lavender tones and pronounced yellow gold veining in the throat.	3" 3½"	\$ 7.50 10.00
4013	<b>LC. PAXINOS</b> (C. Trianae var. Bill Taft x Lc. Marie Dobrott) . . . . . A winter flower of exceptional size and character. Medium lavender sepals and petals, rich lavender lip. Bears strong flowers on a stem of above-average length.	2½" 3" 3½"	\$ 5.00 7.50 10.00
4018	<b>C. MIRAMAR</b> (C. Prospector x C. Santa Monica var. Goliath) . . . . . Here is a mating of two of the finest winter blooming Cattleyas we know. C. Santa Monica var. Goliath has tremendous substance and shape and C. Prospector is to our mind the most profitable cut flower Cattleya yet raised. This cross should prove extremely worthwhile.	3" 3½" 4"	\$12.50 15.00 17.50
4026	<b>C. EDITHIAE</b> (C. Suzanne Hye alba x C. Trianae alba, Broomhill var.) . . It may be possible to make C. Edithiae with finer parents but we doubt it. The seedlings offered are extremely well bred and, of course, C. Edithiae is a fine winter pure white Cattleya and very worthwhile.	3" 3½" 4"	\$ 7.50 10.00 12.50
4027	<b>C. ESTELLE ALBA X C. TRIANAE ALBA, BROOMHILL VAR.</b> . . . . . We expect this cross to be even finer than the preceding one but at present it is unproven. It will definitely be a winter pure white with a yellow throat.	3" 3½" 4"	\$10.00 12.50 15.00

Variety		Size	Price
4050	<b>C. BRUSSELS</b> (C. Harold x C. Mossiae) (Colored type) . . . . . This will undoubtedly prove a free flowering Cattleya with an extended season. The sepals and petals should be medium to light lavender with a deeper lip.	3" 3½" 4"	\$ 5.00 7.50 10.00
4051	<b>BC. DEL ROSA</b> (B. Digbyana x C. Suzanne Hye grandiflora) . . . . . Should produce a fine, large Brassocattleya hybrid. Color ranging from white to lavender-pink. Bred from the famous C. Suzanne Hye grandiflora whose unusual size and tremendous lip are well known.	3" 3½" 4"	\$ 7.50 10.00 12.50
4052	<b>C. EMPRESS FREDERICK ALBA</b> (C. Mossiae Reineckiana x C. Dowiana aurea) . . . . . The breeding of the finest Mossiae Reineckiana we know of to a very worthwhile Dowiana aurea should provide an exceedingly fine alba form of this well known Cattleya.	3" 3½"	\$ 5.00 7.50
4055	<b>LC. SCHRODERAE ALBA X C. BRUSSELS ALBA</b> . . . . . Unflowered but should produce an alba of great merit. We have confidence in this cross, both parents involved being unusually fine forms. Season likely to be fall and winter.	3" 3½" 4"	\$ 5.00 7.50 10.00
4078	<b>LC. NEVADA</b> (Lc. Peter the Great x C. Enid alba) . . . . . Lc. Peter the Great is probably the freest flowering alba in existence. As many as eleven flowers to the spray. The fine C. Enid alba used in this cross should add size and form. Season will doubtless be variable.	3" 3½"	\$ 7.50 10.00
4079	<b>C. JACK FROST</b> (C. Mina alba x C. S.E. Endicott) . . . . . All that have flowered have lived up to their name, being large pure white flowers of good substance and having a frost-like texture.	3" 3½" 4"	\$ 7.50 10.00 12.50
4084	<b>C. REMY CHOLET X LC. INTEGRITY VAR. STEADFAST</b> . . . . . This is of course unflowered as yet but we look for a fine winter and spring bloomer of excellent substance and rich color.	3" 3½" 4"	\$10.00 12.50 15.00
4085	<b>LC. ESCONDIDO</b> (C. Enid x Lc. Integrity var. Steadfast) . . . . . We are always inclined to wax enthusiastic when Lc. Integrity is used as a parent, but we will stay with our custom of understatement and just highly recommend this cross as being a good speculation.	3" 3½" 4"	\$10.00 12.50 15.00
4095	<b>LC. CANEJO X C. TITYUS VAR. PATRIARCH</b> . . . . . Here is a cross we can thoroughly recommend as a winter and spring bloomer. It undoubtedly will have size, excellent form and substance. Medium to deep color in the sepals and petals and an extra fine lip.	3" 3½"	\$10.00 12.50
4124	<b>LC. SANDRA OZZELLA</b> (Lc. S. J. Bracey x C. Dowiana aurea) . . . . . We recommend this as a most interesting hybrid from Lc. S. J. Bracey, producing flowers from green-yellow to deep bronze with red lips.	3" 3½"	\$10.00 12.50
4133	<b>C. SERENITY X BLC. J. K. LILLY</b> . . . . . A most interesting cross as both parents are superb in shape, substance and color. We consider both of these parents among our best hybrids and anticipate progeny from them with great interest.	3"	\$10.00
4140	<b>C. MAGGIE RAPHAEL</b> (C. Trianae, Imperator A.M. x C. Dowiana aurea) Trianae, Imperator was the parent of the finest strain of C. Maggie Raphael. The aurea used here was one of our own home-raised specialties. Late fall and winter.	2" 2½"	\$ 3.50 5.00
4141	<b>C. FABIANID X C. REMY CHOLET VAR. VIVICANS</b> . . . . . Unflowered as yet but both parents were superb of their types.	2½" 3" 3½"	\$ 5.00 7.50 10.00

Variety		Size	Price
4142	<b>LC. CUESTA X C. TRIANAE, IMPERATOR A.M.</b> . . . . . Lc. Cuesta is a famous, dark, mid-winter flowering hybrid. A speculative mid-winter flowering cross.	1½" 2"	\$ 1.75 3.50
4145	<b>LC. PASADENA X BLC. J.K. LILLY</b> . . . . . Pasadena is a hybrid from Lustre and Trianae; J. K. Lilly, from Titymoma var. Roundhead. Color in both parents and outstanding vigor in Pasadena. A hybrid to bank on.	3" 3½"	\$ 7.50 10.00
4149	<b>C. TAMBORA X BLC. QUEEN OF THE BELGIANS</b> . . . . . Should prove to be a very free grower providing large flowers in an interesting range from white to pale lavender. Winter but variable.	3" 3½"	\$ 7.50 10.00
4167	<b>C. GENERAL RUSSKY ALBA</b> (C. Amabilis alba x C. Dowiana aurea) . . . . A remake of an older cross. A nice summer and fall flowering alba.	2"	\$ 3.50
4196	<b>C. ANN SANDER X LC. EMINENCE</b> . . . . . Should produce large, well rounded flowers of medium lavender with darker lip. Winter to spring.	2" 2½"	\$ 3.50 5.00
4203	<b>C. ESTELLE ALBA X (BLC. SNOWDON X BC. HEATONENSIS)</b> . . . . . This should produce a Brassocattleya blooming in the winter time with enough of the Brassocattleya left to give large, beautiful lips, Estelle supplying substance and shape. Color speculative.	1½" 2" 2½" 3"	\$ 1.75 3.50 5.00 7.50
4204	<b>C. LUEGEAE ALBA</b> (C. Enid alba x C. Dowiana aurea) . . . . . This is a repetition of our fine strain of Luegeae alba which is so well known.	2" 2½" 3"	\$ 3.50 5.00 7.50
4226	<b>C. BOW BELLS</b> (C. Edithiae, White Empress x C. Suzanne Hye alba) . . . . The wide publicity afforded this hybrid leaves us little to say here except that we believe our strain to rank with the best and offer it with confidence as a fall and winter flowering pure white of high merit.	1½"	\$ 1.75
4227	<b>C. JEAN BARROW X C. SUZANNE HYE ALBA</b> . . . . . C. Jean Barrow has a very strong pure white flower with some rich gold high in the throat. Its growth habit is exceptionally good. We expect the combination with C. Suzanne Hye alba will produce a very prolific winter and spring flowering hybrid with perhaps a faint touch of color in the lip.	1½" 2"	\$ 1.75 3.50
4264	<b>C. BRUSSELS ALBA X C. LABIATA, GILMOURIAE</b> . . . . . A combination of perhaps two of the most prolific Cattleyas known. Fall and winter should be the flowering season.	1½" 2"	\$ 1.75 3.50
4273	<b>LC. KEOKUK VAR. RED CHIEF X C. REMY CHOLET</b> . . . . . Should prove to be an excellent commercial and exhibition type. Large dark lavender flowers with deeper lips with varying degrees of yellow in the throat. Late winter and early spring should be the season.	1½"	\$ 1.75
4278	<b>C. MONARCH X C. EMPRESS FREDERICK</b> . . . . . Definitely a commercial cut flower. Should be free flowering, of good size and substance, dark lavender flowers with rich gold veining in the throat. Season winter and early spring.	1½"	\$ 1.75
4331	<b>C. VILLE DE LIEGE ALBA X C. AMABILIS ALBA</b> . . . . . A combination of two of the most popular contemporary albas. Should produce a most pleasing and profitable summer flowering alba.	1½"	\$ 1.75

Variety	Size	Price
4341 <b>LC. WINEMA X C. HAROLD ALBA</b> . . . . . Lc. Winema is a rank grower. Combined with C. Harold alba it should prove to be a very worthwhile alba for the summer and fall season.	2"	3.50
4401 <b>C. BENEVOLENCE X LC. WINEMA ALBA</b> . . . . . C. Benevolence is a well known fall flowering alba. Lc. Winema should improve size and substance and consolidate the season to fall and early winter.	2"	3.50
4415 <b>LC. PRIAM X L. TENEBROSA</b> . . . . . Cluster hybrid of speculative color. Season summer and fall.	1½"	\$ 1.75
4417 <b>C. PORCIA X LC. PRIAM</b> . . . . . Should prove to be a vigorous growing hybrid producing large clusters of small flowers. Medium shade of lavender with darker lips. Season summer and fall.	2"	3.50
4420 <b>LC. ELISSA, GLORIOSA X C. TITYUS, PATRIARCH</b> . . . . . A winter flowering combination that should prove an excellent commercial and some exhibition forms. Dark colors with rich yellow-veined throats.	1½"	\$ 1.75
4439 <b>LC. INTEGRITY X BC. HARTLAND</b> . . . . . Many exhibition specimens should result from the mating of these famous hybrids, with intense colors prevailing. Season mostly winter, but variable.	1½"	\$ 1.75
4455 <b>C. PILGRIM (C. Prospector var. Sunbelle x C. Tityus, Patriarch)</b> . . . . . A good grower with deep lavender flowers and rich yellow-gold markings in the throat. An exhibition subject. Winter and early spring season.	1½"	\$ 1.75
4506 <b>C. HARDYANA, GRANDIFLORA X C. PROSPECTOR</b> . . . . . Many exhibition quality subjects should result. Mostly intense lavenders with rich gold-yellow veining in the throat. Season early to mid-winter.	1½"	\$ 1.75
4513 <b>C. PROSPECTOR X C. DOWIANA AUREA VAR. MAGNIFICENCE</b> . . . . . A darker C. Prospector with perhaps an earlier season.	1½"	\$ 1.75
4516 <b>C. DUPREANA X C. DINAH, A.M.</b> . . . . . A mating of two very dark, large flowered hybrids. Season variable with quality and production good.	1½"	\$ 1.75
4517 <b>C. VILLE DE LIEGE ALBA X C. HAROLD ALBA</b> . . . . . This combination of our two favorite albas should provide many refreshing forms for the spring and summer market.		
4543 <b>C. EMPRESS FREDERICK (C. Dowiana aurea x C. Mossiae, Countess Grey)</b> . . . . . A remake of a famous dark spring flowering hybrid employing the darkest of all C. Mossiae as a parent.		
4549 <b>C. BRUSSELS ALBA X C. GIGAS, F.M. BEYRODT</b> . . . . . We expect an improved C. Brussels alba with a more consolidated flowering season—winter and spring.		
4747 <b>C. TRIUMPHANS X LC. S. J. BRACEY</b> . . . . . This should be an improved form of S. J. Bracey flowering in the summer and fall.	2" 2½"	\$ 3.50 5.00

# CYPRIPEDIUMS

## ORCHIDS LIKE EACH OTHER

Contrary to popular belief, a wide variety of orchids will grow in the same enclosure. Cypripediums and Cattleyas are particularly good neighbors and most varieties will thrive under the same conditions. About the only difference is that you should water Cypripediums the same day you make up your mind that they need it or the next day. Don't wait until the day after. If space is available and the budget allows a separate enclosure, there are a few fancy touches that Cypripediums will enjoy. As with Cattleyas, Cypripediums have been grown by amateurs in a wide variety of growing media—sand, gravel, haydite and composts. At Armacost and Royston we have adopted osmundine as a standard medium for growing all varieties of Cypripediums. Pot your plants slightly less firm than you would Cattleyas but keep the grain of the peat as near as possible vertical. Cypripediums enjoy quite heavy shade after potting and a moist atmosphere. After they are established a light intensity of near 600 foot candles through the growing season and near 1,000 foot candles (which would be about the same as one would use for ferns, azaleas, camellias, etc.) in the shorter days is a safe range. Day temperature in California will run into the high nineties without damage but where possible 68° to 80° is better. Where low day temperatures are available a night temperature of 50° to 55° or even lower if much "fire" heat is necessary to maintain it. In warmer realms 60° or a few degrees above is beneficial. Don't be afraid to let your Cypripediums dry at the roots for a short period, then water them thoroughly. Cypripediums enjoy a free circulation of air, but remember to keep the relative humidity as near 60% as possible. If your plants have good root systems a light spray overhead will do no harm but it is better to let them dry before night-fall. The warm growing whites and mottled leaf varieties may be handled as other types but prefer a temperature five to eight degrees higher.

Cypripedium prices quoted in our catalog are based on flowering size plants in four inch pots.



- ACTAEUS** (insigne x Leeanum) . . . . . \$ 7.50  
A medium sized Cypripedium with an Indian red pouch. The subdued petals and dorsal combine neutralized tints of russet and apple green and there is a snow-white dorsal trim that fairly glistens.
- ACTAEUS var. LANGLEYENSIS, F.C.C.-R.H.S.** (insigne Sanderæ x Leeanum) . . . . . \$10.00  
This well known variety has an upright white dorsal colored but slightly near the base in citron green and graced by a sprinkle of pin-point dots. The petals and pouch repeat the green coloring and add a touch of pale brown.
- ALABASTER** (Alcibiades, superbum x Godseffianum) . . . . . \$12.50  
Medium size. Pouch and petals green fused with purple. Dorsal white with green at base and much light purple spotting.
- ALCIBIADES** (Leeanum v. giganteum x M. deCurte) . . . . . \$10.00  
Petals and pouch green background shaded with mahogany. White dorsal with apple green base.
- ALCIBIADES var. ILLUSTRIOUS** . . . . . \$10.00  
Medium size. Pouch and petals lumiere green and shaded with mahogany and Corinthian purple. The dorsal is white with apple green base and spotted with perilla purple.
- ALCIBIADES var. MAGNIFICUM, F.C.C.-R.H.S.** . . . . . \$10.00  
Similar to variety Illustrious but the dorsal is four-fifths white and one-fifth green-brown with minute spots.
- ANAK** (Cyclops x The Duchess) . . . . . \$10.00  
An older hybrid in the brown tones. Well worthwhile.
- ARBACES** (Earl of Tankerville x Nydia) . . . . . \$10.00  
Medium size. Pleasing rich in color.
- ARBACES, FINE VARIETY** . . . . . \$20.00
- ARCHIE NIELL** (Variety of Actaeus) . . . . . \$10.00  
A medium full dorsal of white, light green and spots of perilla purple. The narrow unruffled petals are of light brown and the pouch is Indian red.
- AUREUM** (nitens x Spicerianum) . . . . . \$ 7.50
- AUREUM EXCELSIS** . . . . . \$ 7.50
- AUREUM HYEANUM** . . . . . \$ 7.50  
Clean cut, well-shaped Cypripedium displaying cinnamon brown upper petals and russet pouch contrasted against green-yellow tips, lower petals and sepal. The gay white dorsal veined strongly in apple green is darkened through the center and lower veins by patches of repeated russet.
- AUREUM OEDIPPE** . . . . . \$ 7.50
- AUREUM VIRGINALE** . . . . . \$ 7.50
- AUROBE** (aureum v. Oedippe x Niobe) . . . . . \$ 7.50  
Free flowering hybrid. Round white dorsal veined near the base in apple green. Thin lavender mid-rib. Petals and pouch snuff brown.
- BACH** (Lady Phulmoni x Symphony) . . . . . \$15.00  
A beautiful blending of color.
- BEECKMANII** (Probably same parentage as Berkeleyanum which is bellatulum x Boxalli) . . . \$25.00  
Most attractive. Well shaped. The petals and pouch and lower dorsal are soft green overlaid light brown. The petals have a brown central line. Dorsal is white lightly spotted with about half the lower area in green.


- BLLENHEIM** (Albert Fisher x Warrior, Green's var.) . . . . . \$25.00  
A very good medium sized Cypripedium. Dorsal dull apple green with wide white border with red spots. Petals and pouch russet-green.
- BLUE ORDER** (Nancie Gamble x Hestia v. Empress of India) . . . . . From \$35.00 up  
A large and bold Cypripedium. One-third of the dorsal is clear white. The lower portion is a fusion of green-yellow with perilla purple veins. It is a brilliant flower and very striking in appearance.
- BORDUBE VAR. EAU DE NIL** (Florence Spencer x viridissimum) . . . . . \$35.00  
This free bloomer of average size displays a green-yellow dorsal with but a faint edge of white and the least suggestion of brown near the base. The pouch and ruffled petals blend softest sorghum brown and pale green-yellow.
- CHANTICLEER** (Charlesworthii x Atlantis) . . . . . \$15.00  
Bright red dorsal, petals and pouch apple green overlaid dull rose.
- CORSAIR** (Niobe x nitens) . . . . . \$10.00  
Large size. Brown pouch. Petals brown and yellow-green. The dorsal is yellow-green at the base shading into white and lined with deep purple.
- CORSAIR, HOLFORD'S VAR.** . . . . . \$12.50  
Extra large size. Same as Corsair with much richer purple coloring.
- CORSAIR, WESTONBIRT VAR.** . . . . . \$15.00  
An improved form of Corsair.
- CROWDERO** (Martin x Florence Spencer) . . . . . \$15.00  
The dorsal is apple green dotted in dark russet. The ruffled petals and narrow pouch are streaked with apple green and light brown.
- DANTE** (Charlesworthii x Hera) . . . . . \$10.00  
The dorsal and upper part of the petals are neutral red while the pouch and lower part of the petals are principally a dark green.
- DESDEMONA, DARK VAR.** (Alcibiades x Mrs. Carey Batten) . . . . . \$25.00  
Large sized bloom with dorsal of deep livid brown and marked with green and set off by a wide white border. The petals and pouch are a brownish-olive.
- DRACO** (Hera x insigne) . . . . . \$10.00  
With almost identical sepal and dorsal this free bloomer offsets with interest a pair of petals and a pouch of plain Indian red. The dorsal and sepal spots are dark Indian red on fields of apple green and white.
- DRACO VAR. ROYAL OAK.** . . . . . \$15.00  
Richer than above.
- DREADNOUGHT** (insigne v. Harefield Hall x Troilus) . . . . . \$15.00  
Of light tones. A well balanced, free blooming Cypripedium in light brown and lumiere green coloring. Heavily spotted, white topped dorsal.
- EURYBIADES** (Alcibiades x Hera v. Euryades) . . . . . \$25.00  
Similar in form to its Alcibiades parent.
- FAIRY** (Cardinal Mercier x Fairrieianum) . . . . . \$10.00  
A small flower with very dainty, frilled petals. General color of olive brown. Dorsal marked with deep spots.
- FINGAL** (Stadium x James O'Brien) . . . . . \$10.00  
Insigne hybrid of Harefield Hall type but much more full in shape.
- FLORIMEL** (Leeanum v. J. Gurney Fowler x Alma) . . . . . \$15.00  
Average size. Dorsal yellow-green with a broad white border. Petals and pouch russet-yellow overflushed with pale green.
- FLORISMART** (Cyclops A.M. var. x Thrush) . . . . . \$10.00  
Pale greenish-yellow dorsal, freckled with light Indian red. The russet petals are lightly veined with greenish-yellow and the Indian red pouch is softly touched with greenish-yellow at the tip.

<b>FRANK BUCKLEY</b> (Anita x Ranleigh) . . . . .	\$15.00
A medium small Cypripedium of apple green with central petal lines of light brown and a fusion of the color springing from the dorsal base.	
<b>GANPATI</b> (Cyclops x Our Prince) . . . . .	\$10.00
Medium sized, slender. The ruffled petals and pouch are claret brown faintly blended and edged in reed yellow. The white edged dorsal has a background of reed yellow splashed with claret brown.	
<b>GLENARM</b> (Thrush x Germaine Opoix) . . . . .	\$20.00
A strong free blooming variety. Dorsal varying from green-claret stripes to heavy red-claret stripes on a background of lavender-pink. The pouch is a heavy chocolate-claret overflushed with green. Petals light brown-maroon.	
<b>GOLDEN FLEECE</b> (insigne v. Sanderae x Antinous) . . . . .	\$10.00
Similar to but much larger than insigne Sanderae.	
<b>GOLIATH</b> (insigne v. Harefield Hall x Troilus v. Amy Moore) . . . . .	\$15.00
A large flower of the Harefield Hall type with a larger more rounded dorsal.	
<b>GOMOCON</b> (Conference x Gold Mohur) . . . . .	\$15.00
A beautiful blending of faint yellow-greens and red-browns.	
<b>GUNGA DIN</b> (Alvarado x Cardinal Mercier) . . . . .	\$20.00
A striking, medium bloom of bold coloring. The predominant color of blackish-red-purple is found in the pouch and petals and shades upward in the dorsal to violet on white. The pouch is outlined in citron yellow.	
<b>GWEN HANNEN</b> (Christopher x Florence Spencer) . . . . .	\$25.00
Honey yellow pouch and lighter yellow petals. The dorsal is pure white with a small marking of light green at the base.	
<b>HARRISIANUM</b> (barbatum x villosum) . . . . .	\$ 7.50
A lesser form of the superbum variety.	
<b>HESTIA</b> (Cyclops x Lady Dillon) . . . . .	\$15.00
Free flowering and large, displaying a soft color scheme. Its dorsal veined somewhat in apple green is graced by many dull perilla purple spots becoming almost solid in color towards the center. This is balanced by a large Prussian red pouch and wide petals of a less intense color.	
<b>HODER</b> (Mme. Albert Fevrier x London Scot) . . . . .	\$15.00
The dorsal has a light green base with dark brown spots. Petals and pouch are brownish-green with a purple cast.	
<b>HUGHENDEN</b> (John Henry x T. Abbott) . . . . .	\$25.00
Medium sized, well shaped, free bloomer. Dorsal white with apple green base and dark spots. Pouch and petals olive-yellow.	
<b>INSIGNE</b> (species) . . . . .	\$ 5.00
This plant was first introduced around 1819 and was originally discovered by a Doctor Wallich in Nepal, Northern India. It has been used extensively as a parent because it is so adaptable. There are many fine varieties of this species.	
<b>INSIGNE VAR. HAREFIELD HALL, F.C.C.-R.H.S.</b> . . . . .	\$15.00
The background of this bloom is a yellow-green. The petals are slightly marked with brown and the dorsal has a white border. It is a very large bloom.	
<b>INSIGNE VAR. ROYALTY</b> (spotless) . . . . .	\$10.00
The entire bloom, with the exception of the white dorsal edge, is citron yellow, faintly veined with light lumiere green.	

<b>INSIGNE SANDERAE</b> . . . . .	\$ 7.50
Entirely yellow-green except for the white border on the dorsal.	
<b>JAMES O'BRIEN</b> (insigne, Harefield Hall x M. deCurte) . . . . .	\$15.00
Large, well-shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.	
<b>KNOCKANDO</b> (Claymore x John Henry) . . . . .	\$35.00
This is a beautiful and different Cypripedium. The dorsal is creamy white, green veined in the basal portion with a sprinkling of dark spots. Pouch and petals chartreuse shaded sorghum brown.	
<b>LATHAMIANUM</b> (Spicerianum x villosum) . . . . .	\$15.00
Rich in reddish-brown tones.	
<b>LEEANUM VAR. GRATIRIXIAE</b> . . . . .	\$10.00
Medium size. Brownish purple pouch. The petals and base of dorsal green-yellow and peppered with purple and shading into white.	
<b>LOMA PRIETA</b> (Chrysostom v. Stanley Baldwin x Cyclops, A.M.) . . . . .	\$20.00
A free bloomer of medium size whose deep brown pouch is outstanding against green-yellow sepal, petals and dorsal. Amply spotted in dark brown.	
<b>MENCIUS</b> (Hadrian x Shogun) . . . . .	\$10.00
This Cypripedium blooms in varied size and intensity of color, but it is basically mild sorghum brown and green-yellow accented by graduating spots of darker brown. It is a very good bloomer.	
<b>MINOS VEITCHII</b> (Arthurianum x Spicerianum) . . . . .	\$12.50
Similar to Minos Youngii, but not so full in shape and less definite in color.	
<b>MINOS YOUNGII</b> . . . . .	\$15.00
This is a very attractive dainty free bloomer with pouch and petals of warm sepia repeated in vein lines composed of the tiniest of dots on the dorsal and inner petals. This well shaped dorsal is white splashed with clear dull green-yellow.	
<b>MORENO</b> (Cyclops, A.M. x London Scott) . . . . .	\$15.00
Well shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.	
<b>MOWGLI</b> (daffrosum x Lady Dillon) . . . . .	\$20.00
This tall Cypripedium is of the green shades. The pouch and petals are spotted with brown and the dorsal is edged in white and spotted with brown.	
<b>MRS. F. SANDER</b> (Eve x insigne Sanderæ) . . . . .	\$ 7.50
Medium sized plant. Purplish pouch and petals faintly edged with amber. Dorsal yellow-green covered with dark slate purple dots and with a white border.	
<b>NENA</b> (Christopher x Senator) . . . . .	\$35.00
Greenish-brown pouch and petals brown edged in green. Dorsal yellow-green with white border and large purple spots.	
<b>NERISSA</b> (Maudiae x San Actæus) . . . . .	\$15.00
This is a lovely butter yellow bloom with apple green veins in the dorsal and a narrow white border.	
<b>NYDIA</b> (Niobe x nitens-Leeanum, Charlesianum) . . . . .	\$ 7.50
Medium size. The base of the dorsal is yellow-green changing into white and covered with purple marks. The lip and petals are a combination of brown and yellow-green.	
<b>OUR KING</b> (insigne x Niobe) . . . . .	\$10.00
A small Cypripedium. Apple green is the basal color shaded and dotted mulberry. The dorsal is also spotted and has a white margin.	
<b>PAVLOVA</b> (insigne v. Pavlova x Anita) . . . . .	\$10.00
Stronlian yellow veined in neutralized apple green plus a white ruffle edge on the dorsal. Good size and shape.	

- PETER KANE** (Cardinal Mercier x Juliet Page) . . . . . \$15.00  
A medium sized free bloomer with a white edged purple dorsal becoming more intense towards the base where some apple green peeks through. The petals and pouch of dark Indian red are trimmed in yellow-green.
- PUBLICAN** (Martin x Lord Wolmer) . . . . . \$15.00  
Medium sized flower. Greenish-white dorsal heavily spotted with claret red spots. Petals and pouch brownish-red.
- RUBY** (Mulatto x Muriel II) . . . . . \$25.00  
Medium sized. The pouch is red while the petals are a light sorghum brown marked with green and dotted with a dark mineral red. The dorsal is white and marked with mineral red.
- SAN-ACTAEUS** (Actaeus x insigne Sanderæ) . . . . . \$15.00  
This flower is a greenish yellow. The only departure from this color is a snow white border around the dorsal.
- SANTA CLAUS** (Atlantis x Cappamagna) . . . . . \$35.00  
This gay Cyripedium has petals and dorsal of light mahogany edged in amber. The dorsal is white and quite heavily veined with claret.
- SCIPIO** (Monsieur de Curte x nitens) . . . . . \$25.00  
Large flower. The upper portion of the dorsal is white shaded pink with some spotting. The lower portion is bright green and is more heavily spotted. Pouch and petals are soft purple on a chartreuse base.
- SHILLIANUM** (Gowerianum x Rothschildianum) . . . . . \$10.00  
A free blooming Cyripedium capitalizing on its weirdness for its beauty. Its exaggerated narrow petals of citron green are covered with large dark spots and are trimmed by many wiry hair-like follicles of the same dark color. The matching dorsal and sepal show a contrast of dark Indian red veins very definitely and symmetrically placed against the white background. The pouch has a narrow long look and is sorghum brown in color.
- SHILLIANUM SUPERBUM** . . . . . \$15.00
- SPEEN** (Gertrude West x Atlantis) . . . . . \$35.00  
This is a very large waxy looking Cyripedium. The pouch and petals are brownish purple edged in amber. The dorsal base a very deep purple specked with yellow-green and changing to a lighter purple and finally fading to white.
- STADIUM** (Dreadnought x Troilus) . . . . . \$10.00  
Stadium is a light colored spotted Cyripedium of sorghum brown and green-yellow tints. It is large and well shaped.
- SUNDOWN** (Anak x Lady Dillon) . . . . . \$10.00  
Large, well-shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.
- THOMPSONII** (Calypso x villosum) . . . . . \$10.00  
Medium sized bloom of olive green and russet tones. The petals are ruffled and the dorsal is predominantly white with purple veins fusing upward at the center.
- TRACYANUM** (aureum x Leeanum giganteum) . . . . . \$10.00  
Medium size. The dorsal is green, bordered with white and is veined with Hessian brown. The petals and pouch also are of Hessian brown.
- VASHTI** (Variety of Lord Wolmer) . . . . . \$25.00  
Medium size bloom. The pouch and petals are purple edged in green. The dorsal is white with some light green at base and peppered with Aconite violet dots.

## WHITE AND WARM GROWING CYPRIPEDIUMS

- A. DE LAIRESSE** (Curtisii x Rothschildianum) . . . . . \$10.00  
The dorsal is small in comparison with the size of the almost rectangular Indian red pouch. It is white, marked with narrow vertical Indian red stripes on a white background. The very dark, thin, slightly curled petals are covered with tiny Indian red dots and outlined with short, dark hairs.
- ALBION** (niveum x Astarte) . . . . . \$25.00  
A dainty, pure white Cypripedium with greenish aurora at the base of the dorsal; faintly spotted.
- ALBION BODNANT, F.C.C.-R.H.S.** . . . . . \$30.00  
A fine form of the above.
- ASTARTE** (insigne v. Sanderae x Psyche) . . . . . \$25.00  
Both this and Chastity compare favorably with the most modern whites for size, form and all-around quality.
- BOLTONII** (Parentage unrecorded probably a form of Muriel Hollington) . . . . . \$25.00  
Similar to Rosy Dawn, but not as large.
- BOLTONII, F.C.C.** . . . . . \$30.00
- CANTATRICE** (Florence Spencer F.C.C. x niveum) . . . . . From \$10.00 up  
Small flower, creamy white with the exception of some rose spotting.
- CHASTITY** (Astarte x Nell Gwynne) . . . . . \$50.00  
One of the best of all whites. Of good size, exceedingly pleasing form, the flowers when first open are pale greenish-cream but as they mature this turns to creamy-white. It is strong growing and definitely one of the best.
- CURTISII SANDERAE** (Species) . . . . . \$12.50  
This beautiful species is worth growing for the foliage alone which is richly mottled in shades of green and when well grown is remarkably attractive. The whole flower is a delicate shade of soft green with a white dorsal, lined with green.
- DELENATII** (Species) . . . . . \$30.00  
A charming little flower which takes after the niveum type. It is a soft rose color with purplish shading.
- ENCHANTRESS** (Alma Gevaert x Curtisii v. Sanderae) . . . . .   
This large and lovely flower is a combination of green and white and is a striking thing to behold.
- F. C. PUDDLE** (Actaeus Bianca x Astarte) . . . . . \$50.00  
Excellent shape and texture, glistening white except for tinting of pale yellow on the staminode. Rounded, niveum type lip.
- F. C. PUDDLE, F.C.C.-R.H.S.** . . . . . \$75.00
- GOWERIANUM GRATRIXIAE** (Curtisii x Lawrenceanum) . . . . . \$15.00  
Pure white dorsal veined with bright green. Pouch and petals of slightly lighter green shade.
- GOWERIANUM PURPURESCENS** . . . . . \$30.00  
A superior form.

## WHITE AND WARM GROWING CYPRIPEDIUMS

**LAWRENCEANUM (Species)** . . . . . \$10.00

The dorsal is apple green at base changing to white and veined in purple. The lip is a claret brown while the petals are a lighter shade with a faint green mixed in.

**MAUDIAE COLORATUM TYPE (Parentage Unknown)** . . . . . \$ 7.50

The pouch and petals are of deep claret red. The dorsal has a white background with deep claret red markings. Beautiful variegated foliage.

**MAUDIAE WESTONBIRT VAR. (callosum Sanderæ x Lawrenceanum)** . . . . .

This lovely bloom has a white dorsal streaked in green and green pouch and petals. Beautiful variegated foliage.

**PROCRUSTES (Maudiae coloratum x Gowerianum purpurescens)** . . . . . \$15.00

Similar in shape to Maudiae coloratum but in most of these the color is much deeper and the spotting in the petals heavier.

**ROSY DAWN (Gwen Hannen album x Astarte)** . . . . . \$35.00

Amply proportioned and well balanced, this hybrid is porcelain white, exquisitely tinged with blush. There are rose specklings at the base of the sepals and petals and the lip is white with a pink flush.

**ROSY DAWN, A.M.-R.H.S.** . . . . . \$50.00

A beautiful form.



# CYMBIDIUMS

## ORCHIDS OUT - OF - DOORS

Cymbidiums and many varieties of Cyripediums will grow well in the open in many states in the union side by side and under such a wide range of conditions as to have caused wide dissension among amateurs and some professionals as well on the subject of ideal conditions for them. However, it is generally considered now that if one follows more or less a few standard rules and leaves the fine points to those who enjoy detail, successful culture is assured. First of all, provide a light, open soil mixture so that the water will drain freely. This may be accomplished by working in a mixture of leaf mold, Swedish, Dutch or German peat and old shredded osmundine. Be careful with sand because some soils will "cake" if sand is added to them. If grown under lath then the average light intensity should be about 1,500 to 1,800 foot candles or shade suitable for ferns, camellias, azaleas, etc. The reason for this is that as the sun moves, the shade of the laths will move along the leaves providing periods of lower light intensity of about the correct degree. If your growing medium is well drained the plants will take water about once a week in summertime. A good way to determine the degree of dryness that should be reached before watering is to take a handful of soil from just beneath the surface and squeeze it. If it forms a cake the soil is too moist for watering. If it does not form a cake then it is time to water. In areas where freezing conditions are encountered during winter months Cymbidiums may be grown by a combination glass house and out-of-doors culture. In this case it is better to employ pot culture and the same mixture recommended above or a bit more fibrous. In summer grow them under lath or trees that will afford the above light intensity and bring them inside when the outdoor temperature reaches the low forties at night. Don't raise the night temperature rapidly after bringing the plants under glass. Since the shading applied to the glass is more constant than lath, a light intensity of 1,000 to 1,500 foot candles would be the equivalent of the above recommendation for lath culture. The night temperature recommended for Cyripediums is ideal for Cymbidiums. If placed in the same house with Cattleyas or Cyripediums give them the position with the greatest amount of light.

Prices quoted are per green bulb. Dry bulbs are charged at half the green bulb price. Most flowering size plants will contain from four to six bulbs.

## MATURE PLANTS

Variety	General Color Classification	Price per Bulb from
<b>ARGENTEUM</b> (Eagle x Venus) . . . . .	Pinks and yellows . . . . .	\$2.00
<b>AURIGA, F.C.C.-R.H.S.</b> (Alexanderi x Excelsior) . . . . .	Cream yellow . . . . .	3.00
<b>BEATRICE</b> (Parentage Unknown) . . . . .	Buff rust . . . . .	1.00
<b>BUTTERFLY</b> (insigne x Lowio-grandiflorum) . . . . .	Deep yellow to buff . . . . .	1.00
<b>CAPELLA</b> (Pauwelsii x Wiganianum) . . . . .	Buff pink . . . . .	1.50
<b>CERES</b> (l'Ansonii x insigne) . . . . .	Pink to rose and reddish bronze . .	1.00
<b>CERES X CERES</b> . . . . .	Pink to rose and reddish bronze . .	1.00
<b>CERES X CETUS</b> . . . . .	Probably resemble Ceres parent . .	3.50
<b>CERES X CORONA</b> . . . . .	Probably resemble Ceres parent . .	2.00
<b>CERES X LAPWING</b> . . . . .	Probably resemble Ceres parent . .	2.00
<b>CERES X MARY SANDER</b> . . . . .	Probably resemble Ceres parent . .	3.00
<b>CERES X SOLENT</b> . . . . .	Probably resemble Ceres parent . .	3.00
<b>CLAIR DE LUNE</b> (Joy Sander x Moonbeam) . . . . .	Varying shades of pink . . . . .	3.00
<b>CURLEW</b> (Alexanderi x Butterfly) . . . . .	Yellow to buff . . . . .	1.00
<b>DOREEN</b> (Doris x Pauwelsii) . . . . .	Buff . . . . .	1.00
<b>DOTTEREL</b> (Gottianum x l'Ansonii) . . . . .	Buff rust . . . . .	2.50
<b>EAGLE</b> (Alexanderi x Gottianum) . . . . .	Pinks to white and yellow . . . . .	1.00
<b>ERICA SANDER</b> (grandiflorum x Pauwelsii) . . . . .	Yellow to green . . . . .	2.00
<b>EYRIE</b> (Ceres x Eagle) . . . . .	Buff pink . . . . .	2.50
<b>GOLDILOCKS</b> (Curlew x Pauwelsii) . . . . .	Old gold . . . . .	2.50
<b>GOLD MOHUR</b> (Beryl x Martin) . . . . .	Yellow, claret tinge . . . . .	3.00
<b>GRANDIFLORUM</b> (Species) . . . . .	Yellowish green . . . . .	2.00
<b>GUILLEMOT</b> (Elfin x Pauwelsii) . . . . .	Alabaster claret . . . . .	1.00
<b>HANBURYANUM</b> (erythrostylum x Tracyanum) . . . . .	Cream to pink buff . . . . .	2.00
<b>HUGH EVANS</b> (Curlew x Lowianum) . . . . .	Greenish gold . . . . .	2.00
<b>INSIGNE</b> (Species) . . . . .	Medium to deep pink . . . . .	1.00
<b>IVORY WINGS</b> (Gottianum x Woodhamsianum) . . . . .	Pale yellowish pink . . . . .	\$2.00
<b>JESSICA</b> (Butterfly x Dryad) . . . . .	Pinks—greenish to deep yellow . . .	1.00
<b>JOYEUX</b> (insigne x Joy Sander) . . . . .	Pink to maroon . . . . .	1.00
<b>JOYFUL</b> (Ceres x Joy Sander) . . . . .	Deep pink to maroon . . . . .	1.00
<b>JOY SANDER</b> (Ceres x Pauwelsii) . . . . .	Usually bronze-maroon . . . . .	2.50
<b>KITTIWAKE</b> (Dryad x Gottianum) . . . . .	Blush to white . . . . .	3.00
<b>LOWIANUM</b> (Species) . . . . .	Yellowish - green . . . . .	1.00
<b>MADELEINE</b> (insigne x Pauwelsii) . . . . .	Mostly medium to deep pink . . . . .	1.50
<b>MAGOG</b> (Doris x Giant Rose) . . . . .	Rust yellow . . . . .	3.00
<b>MARGARET</b> (insigne x Sybil) . . . . .	Light pink to lavender-rose . . . . .	1.50
<b>MARLOW</b> (Corona x insigne) . . . . .	Yellow to pink . . . . .	3.00

## MATURE PLANTS

Variety	General Color Classification	Price per Bulb from
<b>MERLIN</b> (Alexanderi x Dryad) . . . . .	Pinks and yellows . . . . .	1.00
<b>MOIRA</b> (Pauwelsii x Tracyanum) . . . . .	Pinkish-yellow; brown markings . . . . .	1.00
<b>NANCY</b> (Pauwelsii x Regale) . . . . .	Deep buff-yellow . . . . .	1.00
<b>PALERMO</b> (Jungfrau x Mem. P. W. Janssen) . . . . .	Mostly light pink . . . . .	1.00
<b>PAUWELSII</b> (insigne x Lowianum) . . . . .	Deep yellow to buff . . . . .	1.00
<b>PENELOPE</b> (eburneo-Lowianum x Lowio-grandiflorum) . . . . .	Green; wine colored "V" in lip . . . . .	<del>2.00</del>
<b>PETREL</b> (Garnet x Pauwelsii) . . . . .	Yellow - rust . . . . .	2.00
<b>PLOVER</b> (Lowio-grandiflorum x Pauwelsii) . . . . .	Greenish-yellow to light yellow . . . . .	2.50
<b>RACHEL</b> (Doris x Hanweli) . . . . .	Pink to claret . . . . .	1.00
<b>REDSTART</b> (Dryad x Pauwelsii) . . . . .	Pink . . . . .	2.00
<b>SCHLEGELII</b> (insigne x Wiganianum) . . . . .	Pink . . . . .	2.00
<b>SOLENT</b> (Doris x insigne) . . . . .	Buff - pink . . . . .	3.00
<b>SOLON</b> (insigne x Schlegelii) . . . . .	Pinks . . . . .	1.00
<b>SYLVIA</b> (Louisiana x Pauwelsii, C. de Hemptine) . . . . .	Light to deep pink . . . . .	1.50
<b>VESTA</b> (Alexanderi x insigne) . . . . .	Light pink . . . . .	2.50
<b>VESTA ALBUM</b> . . . . .	White to blush . . . . .	3.00
<b>WARBLER, WESTONBIRT X CERES, F. J. HANBURY</b> . . . . .	Light pink to rose and reddish bronze . . . . .	2.00
<b>ZEBRA</b> (Dryad x insigne) . . . . .	Light to medium-deep lavender-pink . . . . .	1.50

# SEEDLINGS

## GROUP I

Variety	Sizes Available
421 RIO RITA X PLOVER VAR. ORIENT. . . . .	4 - 5
464 MADELEINE X APOLLO, EXBURY VAR. F.C.C.-R.H.S. . . . .	4 - 5
625 PEARL MAG. X BABYLON, CASTLEHILL VARIETY. . . . .	
637 GOTTIANUM, WESTONBIRT X BABYLON, CASTLEHILL VARIETY. . . . .	1 - 2 - 3 - 4

## GROUP II

377 VERA X LAPWING. . . . .	4 - 5
382 FLORYI X VERA. . . . .	4 - 5
383 PAUWELSII AUREUM (Lowianum concolor x Insigne alba). . . . .	4 - 5
499 AQUAMARINE VAR. SUNSHINE X WOODHAMSIANUM CONCOLOR. . . . .	4
503 ERICA SANDER, FINE VAR. X RIO RITA. . . . .	2 - 3 - 4 - 5
509 CURLEW VAR. CADMIUM QUEEN X SICILY VAR. GRANDEE. . . . .	1 - 2 - 3 - 4
558 MADELEINE ALBA (Insigne albens x Pauwelsii aureum, Brockhurst var). . . . .	4 - 5
571 LOUIS SANDER VAR. ROSY MORN X LUMINOUS. . . . .	2 - 3 - 4 - 5
583 FERONIA (Erythrostylum x Erica Sander, fine var.). . . . .	2 - 3 - 4 - 5
587 PARISHII SANDERAE X AUTUMN TINTS. . . . .	1 - 2 - 3 - 4
594 LUMINOUS X PEARL MAGNIFICUM. . . . .	2 - 3 - 4 - 5
596 LUMINOUS X GOTTIANUM, WESTONBIRT VAR. A.M.-R.H.S. . . . .	1 - 2 - 3 - 4
603 GOTTIANUM, WESTONBIRT VAR A.M.-R.H.S. X BITTERN, CHARTREUSE QUEEN. . . . .	1 - 2 - 3 - 4
605 GOTTIANUM, WESTONBIRT VAR. A.M.-R.H.S. X ROSETTE. . . . .	1 - 2 - 3
628 GOTTIANUM, WESTONBIRT VAR. A.M.-R.H.S. X EUROPA. . . . .	1 - 2
632 JACQUELINE X PEARL MASTIFF. . . . .	1 - 2 - 3
634 BITTERN, CHARTREUSE QUEEN X EUROPA. . . . .	2 - 3 - 4
640 LUMINOUS X LYOTH. . . . .	1 - 2 - 3 - 4 - 5
672 MITHRAS X LYOTH VAR. RINCONADA. . . . .	1 - 2 - 3 - 4 - 5
673 DRYAD, WESTONBIRT VAR. X MITHRAS. . . . .	1 - 2 - 3 - 4 - 5
695 LOWIO-GRANDIFLORUM, WESTONBIRT VAR. X (KITTIWAKE X EAGLE). . . . .	1 - 2 - 3 - 4
700 PAUWELSII (Lowianum x insigne). . . . .	1 - 2 - 3 - 4 - 5

### PRICE CLASSIFICATIONS

Group I	Group II
Size 1—\$ 2.50	Size 1—\$ 4.00
" 2— 5.00	" 2— 8.00
" 3— 7.50	" 3— 12.00
" 4— 10.00	" 4— 15.00
" 5— 12.50	" 5— 20.00

### SIZE CLASSIFICATIONS

Based on length of longest leaf
Size 1— 4" to 6"
" 2— 6" to 8"
" 3— 8" to 10"
" 4—10" to 15"
" 5—15" to 20"

## BACK BULBS

This season we are offering many fine varieties of Cymbidiums not offered before and varieties we were not selling as we were retaining them for breeding or show purposes. We now have established back bulbs, some in two or three bulb plants, available for inspection or purchase.

The list is too long to catalog but we assure you it includes most of the finest available anywhere in the world today. Such fine things as Pauwelsii, Comte de Hemp-tine, Alexanderi, Westonbirt crosses, many varieties of the illustrious Peri, Bodmin Moor, Dorchester, Blue Smoke, Princess Elizabeth, Swallow, Santa Barbara, etc. During the spring months most of these fine things offered may be seen in flower in our greenhouses. You are welcome to come and look anytime.

Because of our adequate stocks of many varieties you will be surprised to find the asking prices lower here at Armacost and Royston on fine Cymbidiums.









